

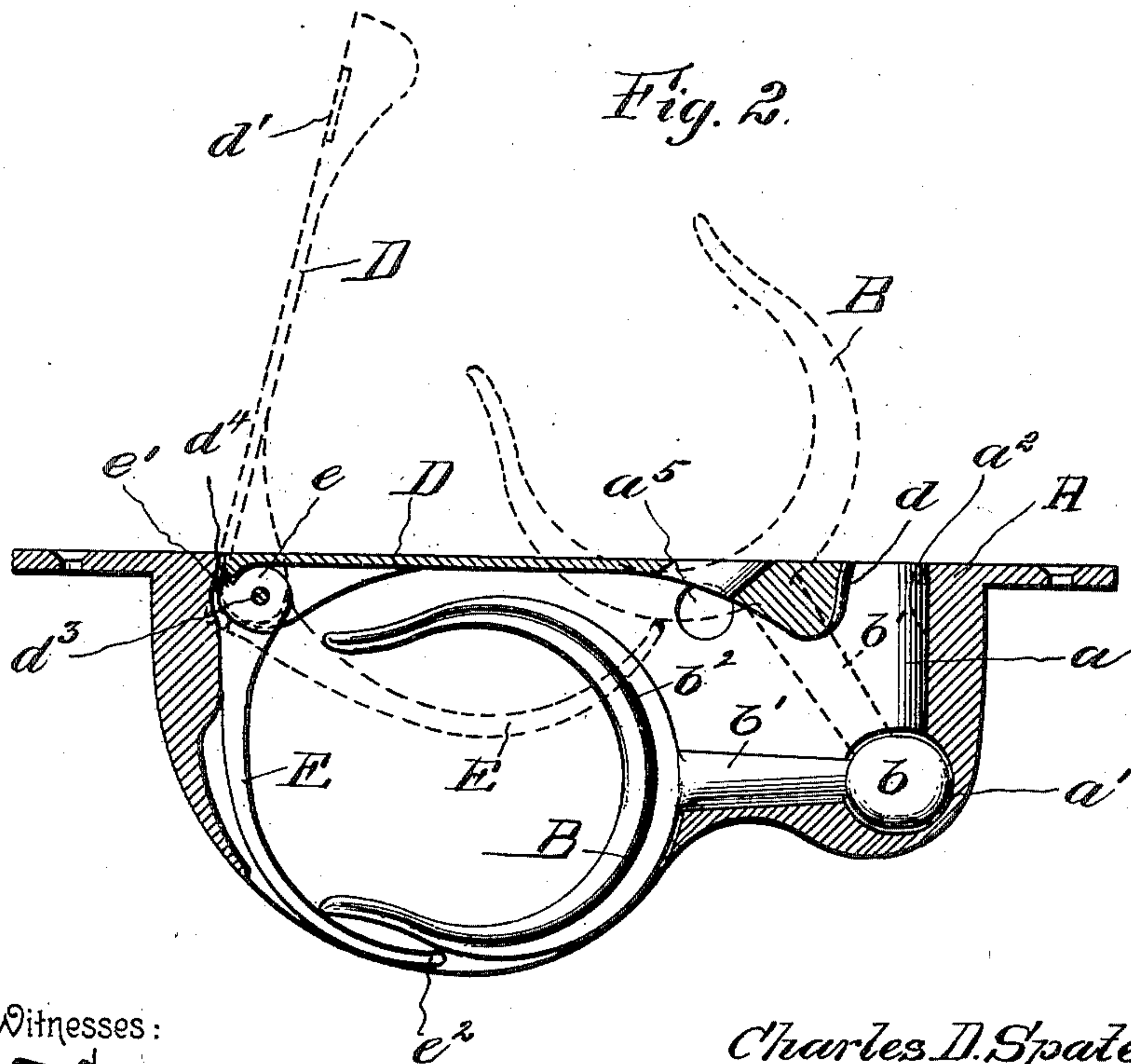
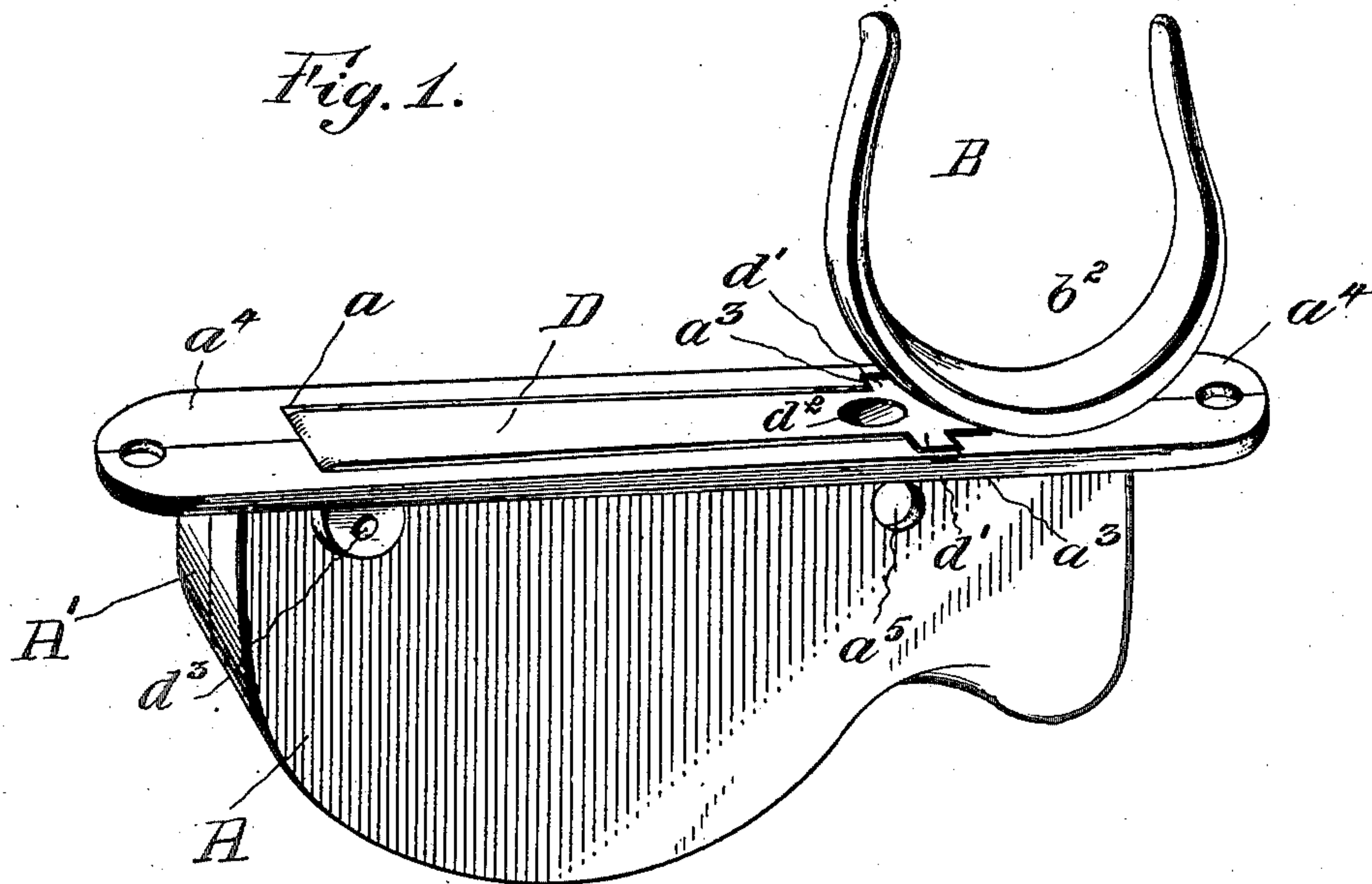
No. 661,326.

Patented Nov. 6, 1900.

C. D. SPATES.
ROWLOCK.

(Application filed Jan. 10, 1900. Renewed Oct. 8, 1900.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

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ROWLOCK.

SPECIFICATION forming part of Letters Patent No. 661,326, dated November 6, 1900.

Application filed January 10, 1900. Renewed October 8, 1900. Serial No. 32,448. (No model.)

To all whom it may concern:

Be it known that I, CHARLES DOUGLAS SPATES, a subject of Her Majesty the Queen of Great Britain, residing at Rossway, county of Digby, Province of Nova Scotia, Canada, have invented certain new and useful Improvements in Rowlocks; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to rowlocks, and has for one object to provide a rowlock which may be folded down out of the way when not in use. A further object is to provide a folding rowlock which is simple in construction, of few parts, easily operated, and which can be manufactured at a low cost.

A further object is to provide a folding rowlock which may be locked in its folded position.

To these ends the invention consists in a folding rowlock constructed substantially as hereinafter described and illustrated, and defined in the appended claims.

Referring to the drawings, in which similar letters of reference indicate similar parts, Figure 1 is a view in perspective of the improved folding rowlock in its open position. Fig. 2 is a vertical longitudinal section of the same, a part of the mechanism being shown in elevation, the operation being indicated in dotted lines.

In the drawings, A and A' represent the two sections of the casing, which correspond in size and construction. The side of each section of the casing is recessed at *a* to provide space for the rowlock B. At one end of the recess *a* is formed a semispherical groove or socket *a'*, which communicates at its upper portion with the recess *a* and forms a bearing in which the spherical end or ball *b* of the rowlock B is journaled, forming a universal ball-and-socket joint with the said casing. The spherical end or ball *b* of the rowlock is connected by a short stem or shank *b'* with the lock *b²*, which may be of any ordinary or preferred form. At the upper end of the casing, opposite the ball-and-socket joint, is pivoted within the recess an operating-lever D, which is of a size to snugly fit the opening

in the top of the casing formed by the recess *a*. The end of this lever is grooved at *d*, so as to closely fit the shank *b'* of the rowlock when the said lock is in its raised position. The end of the casing is similarly grooved at *a²* for a similar purpose. The outer end of the lever D is provided with transverse lugs *d'*, which are adapted to fit into recesses *a³*, formed in the upper edge of the casing, one on each section A A', and communicating with the recess *a*. This construction prevents the lever from passing down too far into the recess *a*. A suitable opening *d²* is provided through the end of the lever D for conveniently raising said lever.

The lever D is slotted at its pivoted end, and an arm E is pivotally secured thereto by means of a reduced extension *e* engaging said slot and secured by the pivot-pin *d³*, by which the lever D is pivoted in the recess *a* of the casing. The arm E is provided with a shoulder *e'* at its pivoted end, which is adapted to abut against a corresponding shoulder *d⁴*, formed upon the pivoted end of the lever D. The arm E is slightly curved, forming a hook *e²* at its lower end, which is adapted to engage an arm of the lock *b²* to raise the same when operated by the lever D.

The sections A A' of the casing are adapted to be secured together in any suitable manner, preferably by means of removable pins.

The body portion of the casing A A' is adapted to be inserted in a slot formed in the gunwale of the boat, the flanges *a⁴* fitting in recesses formed on the top of the gunwale and adapted to be secured thereto by screws, whereby there will be no obstruction to become entangled in lines, nets, &c. At a suitable point in the sides of the casing A and A' are formed orifices *a⁵*, through which the bar of a padlock may be inserted to lock the lever D in its closed position, thus rendering it impossible for unauthorized persons to raise the rowlock B.

The operation of the device is obvious from the above description, and further detailed description thereof is deemed unnecessary.

While I have herein shown a preferred form of carrying my invention into effect, yet I do not desire to limit myself to such preferred details of construction, but claim

the right to use any and all modifications thereof which will serve to carry into effect the objects to be attained by this invention in so far as such modifications and changes may fall within the spirit and scope of my said invention.

I claim—

1. A folding rowlock, comprising a recessed casing, adapted to be inserted in a slot in the gunwale of a boat; a lock pivoted therein; and a lever pivoted to said casing and provided with an arm adapted to raise said lock up into its operative position, substantially as described.

2. A folding rowlock, comprising a recessed casing, adapted to be inserted in the gunwale of a boat; a lock pivoted by a ball-and-socket connection in said recess; a lever pivoted in said casing; and an arm pivoted in said casing and connected to said lever, the lower end of said arm being adapted to engage the lock to raise the same to its operative position, substantially as described.

3. A folding rowlock, comprising a recessed casing, adapted to be inserted in the gunwale of a boat; a lock pivoted by a universal joint within the recess of said casing; a lever pivoted in said casing and adapted to close the said recess; a curved arm pivotally connected to said lever and the casing; shoulders on the upper end of said arm, adapted to abut against shoulders formed upon said lever, to limit the movement of said arm; and a hook formed

on the lower end of said arm adapted to engage an arm of the lock to raise the same to its operative position, substantially as described.

4. A folding rowlock, comprising a recessed casing, adapted to be inserted in the gunwale of a boat; a lock pivoted therein; and a lever pivoted to said casing and provided with an arm adapted to raise said lock up into its operative position, the outer end of said lever being adapted to be folded down into engagement with the shank of the lock when in its operative position, substantially as described.

5. A folding rowlock, comprising a recessed casing, adapted to be inserted in the gunwale of a boat; a lock pivoted therein; a lever pivoted to said casing and provided with an arm adapted to raise said lock up into its operative position, the outer end of said lever being adapted to be folded down into engagement with the shank of the lock when in its operative position; and openings formed in the sides of said casing and adapted to receive the bar of a padlock, whereby the lever is locked in its closed position, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

CHARLES DOUGLAS SPATES.

Witnesses:

O. S. DUNHAM,
AVARD ADAMS.